

ABSTRACT OF JP 56159300

AN 96:124985 CA
TI Manufacture of granular detergents
PA Hashimura, Takashige, Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC C11D011-00
CC 46-5 (Surface Active Agents and Detergents)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 56159300	A2	19811208	JP 1980-62826	19800514
	JP 60023159	B4	19850606		

AB The manuf. of granular detergents without heating involves mixing of Na₂CO₃-contg. additives with a nonionic (.gtreq.50%)-anionic surfactant mixt. in an upright cylindrical granulator equipped with a stirrer having a flat upper blade and an upward-curving lower blade. For example, a granular detergent was prep'd. by mixing a mixt. of lauric diethanolamide nonionic surfactant 500, lauryl sulfate anionic surfactant 600, and H₂O 300 g with a mixt. of Na₂CO₃ 3500, fatty acid soap 1000, Na silicate 500, and CM-cellulose and others 100 g for 2 min.

ST granular detergent manuf
IT Surfactants
(anionic, in granular detergent manuf.)
IT Detergents
(granular, manuf. of, sodium carbonate-contg. additives and surfactants
in)
IT Surfactants
(nonionic, in granular detergent manuf.)

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